



# Invention DISCLOSURE FORM

GATEWAY NUMBER: 98 - 1170

Design ☒ Utility

DATE RECEIVED: 12/23/98

Do Not Write Above

Use Tab Key to Navigate the Fields  
Completely Answer Each Field

*The Information You Put In Box 1, 2, and 3 Is the Only Explanation Of Your Invention That The Patent Review Board Will Read.  
Make It Clear And Concise So That The PRB Can Easily Determine The Value Of Your Invention.*

Title Of Invention: Advanced Internet Viewing

**1. Describe Invention In Detail And How To Build Or Implement It:**

When searching and viewing Web pages on the Internet one will sometimes hit the home page and sometimes will hit another page within the Web site structure. The usual practice is to wait for the page you "hit" to load, read this page, then look for appropriate links on this page to continue viewing those areas which you may be interested in viewing. Each time you must choose a link which may or may not lead you in the direction you wish to take. Clicking on a link, waiting for the page to load, then reading and continuing to choose links take much time.

The idea of this invention is to allow the user the option of seeing thumbnails of various pages which are linked within this Web site. The user's computing system would have a button or macro which, when activated, would provide for automatic thumbnails. One method of accomplishing this is when the user goes to a Web site it loads as usual. As soon as this page loads the user has the option of the system seeking out each of the links on the page. While the user reads the first page, the system will go to each link, provide a thumbnail representation of that link and continue to visit other links provided on the Web site. The system can visit how ever may links the user wishes. By the time the user reads the first page the system will have visited several provided links and can display a single page with each of these links represented by a thumbnail images. The user may then look at this thumbnail page and actually see what information is there without having to click on the original link, wait for upload, and slowly work his/her way through the maze of links.

This method will provide for a much more speedy search. For example the thumbnail page may show 6 images and the user could then decide that only 2 of those seem related to what he/she wants. Download time for each thumbnail would be quick since images and other time consuming graphics do not necessarily need to load.

**2. What Is The Closest Technology Of Which You Are Aware:**

Web TV Plus provides Internet image thumbnails - but these are only images of what you have already visited.

**3. How Is Your Invention Different From Present Technology:**

This invention provides for thumbnail representation of pages which you have not visited yet. It will show pages either before, after, or anywhere within the Web page structure. The computing system could be programed not to leave the immediate area, look for certain topics, provide (X) #'s of thumbnails, and etc.

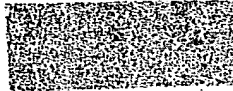
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Page



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4. When was this invention first conceived:



5. When was this invention first documented: 12/23/98

6. Are there any written records such as laboratory notes, e-mail, meeting notes, or etc in which this invention is described and where can they be found:  
No

7. If you or your co-inventors have described this invention in whole or in part in manuscripts, reports, oral presentations, sales pitches, advertisements, posters, or others describe and state who/when/where:  
N/A

8. If this invention is planned for public use, offer for sale, or part of Gateway's product state when/where:  
N/A

9. List any witnesses who can corroborate the development of this invention. Give names, dates, addresses, and phone numbers:  
N/A

*Attach all Drawings, Flow Charts, Schematics, E-mail, and other documentation to this form.*

**Definition Of A Witness:** A person who understands and acknowledges the invention as put forth in this disclosure

## Signature Of Two Persons Witnessing And Understanding This Disclosure

Frank Libenro 12/23/98  
Signature Date

S.R. May  
Title

Stephen Kuler 12/28/98  
Signature Date

I.P. Program Manager  
Title

12/23/98 10:19:30 AM

Page 2



# Invention DISCLOSURE FORM

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Country of Citizenship: Pay Grade 39 or Above (Yes/No): ?

Work Phone & Extension: Home Phone: Social Security #:

Your Supervisor: Your Primary Area(Pick One): [ Choose Or: Choose ]

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Addendum – 98-1170  
Advanced Internet Viewing

A second embodiment on this same idea would be to have the site provider provide a utility on their site which would, on a regular basis, go to each of the provider site links. This would assure the link is active and would allow the provider site to download a thumbnail representative of each of the links. The retrieved thumbnails would then be stored as source code on one or all of the provider site's pages.

Then when using the primary function that this disclosure teaches – that of getting thumbnail representations on site pages not yet viewed – those thumbnails would already be available to the potential user without having to wait for separate downloads from each new provider site visited.

12/28/98